Hydfly®

液压控制系统

整体解决方案专业供应商



Hydfly®

湖南鸿辉科技有限公司

Hunan Hydfly Science & Technology Co., Ltd.

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Hydfly® 鸿辉科技







企业简介

湖南鸿辉科技有限公司是集液压元件研发生产、功能阀组设计制造、液压系统集成配套、以及进口机电产品销售为一体的高新技术企业。

公司前身是成立于1999年的深圳市夏普利实业有限公司。2008年9月，为适应企业的快速发展和战略客户的配套需求，公司投资4500万在湖南长沙经济技术开发区建立了新的生产基地，并注册成立了湖南鸿辉科技有限公司。

公司拥有一万多平方米的现代化厂房和五千多平方米的研发办公大楼，以及多台精密机加工和液压实验、检测设备为核心的近百台机加设备群，并拥有创新求实的管理团队和多名高级液压专家组成的30余人的研发团队。员工人数达到200余人，年销售额超过一亿元。

公司坚持“液压控制系统整体解决方案专业供应商”的发展定位，始终将“技术”视为企业发展的不息动力，针对市场需求，开发生产多种多路阀、平衡阀、先导阀、行走制动阀等液压元件，以及各类功能阀组和成套的电液系统，长期服务于国内外工程机械、环卫机械、石油机械、海工机械、机场设备、军工等多个行业，是中联重科、宝鸡石油机械、徐工集团、福建龙马、宇通重工、深圳东风、北汽福田、桑德环境、森源重工、山东五征等知名企业的重点供应商。

公司是国内最大的环卫设备电液系统集成制造商，年生产能力达到4000套。公司为自升自航式海洋工程船桩腿升降研发的全闭式电液升降系统取得了多项关键技术创新，打破了欧美技术垄断。公司是国内龙头石油装备制造企业的战略供应商。

公司通过ISO9000质量认证和多次复审，是湖南省高新技术企业，中国液压气动密封件工业协会会员单位。

每一件产品都是为用户创造价值，我们热忱期盼与广大新老朋友合作共赢、共创未来。

Company Brief Introduction

Hydfly is a high-tech enterprise integrating R&D and production of hydraulic components, hydraulic integrated circuits, electro-hydraulic control systems and sales of imported mechanical and electrical products.

The company's predecessor was Shaply, built in 1999. In September 2008, in order to suit the rapid development of enterprise and the matching needs of strategic customers, the company invested 45 million RMB, set up a new production base in Changsha Economic & Technological Development Zone, and established Hunan Hydfly Science & Technology Co., Ltd .

The company has more than 10000m2 of modern workshop and more than 5000m2 of office buildings, and nearly 100 precision machining and hydraulic testing equipment, and more than 30 R & D engineers.

According to the market demand, The company develops all kinds of mobile valves, load control valves, pilot control devices, power braking valves and other hydraulic systems, long service to the domestic and foreign engineering machinery, sanitation machinery, petroleum machinery, marine machinery, airport equipment, military and other industries, is the focus supplier of ZOOMLION, DFAC, BOMCO and many other famous enterprises.

The company is the largest manufacturer of the hydraulic systems of sanitation equipment in China, and the annual capacity reaches 4000 sets.

The company has implemented several key technological innovations for the fully-closed electro-hydraulic lifting system of self-propelled and self-elevating platform’ s pile leg, breaking the monopoly of technology in foreign-funded enterprises. The company is the strategic partner of leading domestic oil equipment manufacturing enterprises in China.

The company passed ISO9000 quality certification and repeated review. It is a member of China Hydraulic and Pneumatic Seals Industry Association

Every product is for the user to create value, we sincerely hope to cooperate with the new and old friends to win and create the future.

Hydfly® 鸿辉科技



在前行的道路上，
我们从未感到孤单，
因为有您，一路相伴！

Main products
主要产品

液压控制系统整体解决方案专业供应商

○液压元件

鸿辉科技具有较强的液压元件研发能力，开发生产多种液压多路阀、平衡阀、先导阀、行走制动阀等液压阀件产品，应用于工程机械、环卫机械等设备。

Hydraulic Components: Hydfly has strong research and development capabilities for hydraulic components, also has developed a variety of multi-way valves, load control valves, pilot control devices, power brake valves and other hydraulic valves.To be used in construction machinery, sanitation machinery and other equipments.

○集成阀组

鸿辉科技具有丰富的国内外液压阀芯渠道资源，以及集成阀组的设计、加工经验，定制开发的集成阀组产品现已大批量配套于工程机械、环卫机械、海工石油机械、矿山机械、军工等不同行业。

Hydraulic Integrated Circuits: Hydfly has convenient purchase channels for domestic and foreign hydraulic industrial valves and screw-in cartridge valves, and accumulated abundant experience from design to processing hydraulic integrated circuits. Products are widely used: construction machinery, sanitation machinery, marine machinery, petroleum machinery ,mining machinery, and military machinery,etc.

○电液系统

鸿辉科技是液压控制系统整体解决方案专业供应商，具有丰富的电液系统集成能力，已为工程机械、环卫机械、海工石油机械、工业设备等定制开发了多种电液系统。鸿辉科技是中国最大的环卫设备液压系统制造商，年生产能力4000套。

Electro-Hydraulic Control Systems: As a professional supplier of electro-hydraulic control systems, Hydfly has developed a variety of electro-hydraulic systems for construction machinery, sanitation machinery, marine machinery, petroleum machinery and industrial equipments. Hydfly is the largest manufacturer of hydraulic system for sanitation equipment, with annual capacity of 4,000 sets.

○销售代理

作为具有二十余年国际贸易背景的液压件企业，公司代理销售德国、美国、意大利等多个国家的数个国际知名液压品牌产品，并拥有原厂家的直接进货能力，具有极好的价格优势和交期。

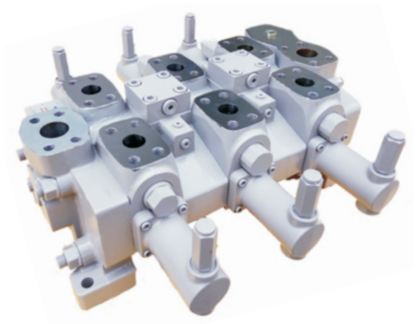
Agent Sales : Hydfly has more than 20 years of international trade background, agent sales of Germany, the United States, Italy and other countries of well-known hydraulic brand products.

Hydraulic Components
液压元件





HCLPF25比例多路阀 ▸
压力补偿分流调速多路阀



○额定压力: 320bar
○最大流量: 240L/min
○通过压力补偿进行旁路分流调速，能耗低；
○换向阀开度与流量呈比例关系，可实现动作的精确控制；
○应用于履带式起重机等设备。

HCLPF25 proportional multi-way valve
○Working pressure: 320bar;
○Flow up to :240L/min ;
○ Flow divider adjustment speed through pressure compensation low power consumption;
○The opening ratio of the selector is proportional to the flow rate, and the precise control of the movement can be realized;
○Used in crawler cranes and other equipments.

QF25比例多路阀 ▸
LS阀前补偿多路阀



○额定压力:350bar;
○最大流量:300L/min ；
○每个操纵联均可设置LS负荷传感功能；
○换向阀开度与流量呈比例关系，可实现动作的精确控制；
○应用于汽车起重机等设备。

QF25 proportional multi-way valve
○Working pressure : 350bar;
○Flow up to :300L/min ;
○LS load sensing function can be set for each manipulator ;
○ The opening ratio of the reversing valve is proportional to the flow rate, and the precise control of the movement can be realized ;
○Used in truck cranes and other equipments.

Hydfly®

LPF12/15系列比例多路阀 ▸
LUDV阀后补偿多路阀



○最高工作压力：300bar;
○额定流量：80/120 L/min ;
○每个操纵联均可设置LUDV阀后压力补偿功能，实现负载独立流量分配，具有抗流量饱和的特性；
○换向阀开度与流量呈比例关系，可实现动作的精确控制；
○具有手动、电液比例等操纵方式。

LPF12/15 series proportional multi-way valve
○Maximum pressure : 300bar;
○Rated flow : 80/120 L/min;
○ Each control unit can be equipped with LUDV valve pressure compensation function to achieve independent load distribution of the load, with anti-flow saturation characteristics;
○The opening ratio of the reversing valve is proportional to the flow rate, and the precise control of the movement can be realized ;
○Manual and electro-hydraulic proportional control.

LWHPF16系列比例多路阀 ▸



○最高工作压力:360bar;
○最大流量:100L/min ;
○换向阀开度与流量呈比例关系，可实现动作的精确控制；
○应用于轮式挖掘机等设备；
○具有手动，液控等操纵方式。

LWHPF16 series proportional multi-way valve
○Maximum pressure : 360bar;
○Flow up to : 100L/min;
○The opening ratio of the reversing valve is proportional to the flow rate, and the precise control of the movement can be realized;
○Used in wheeled excavator and other equipments.



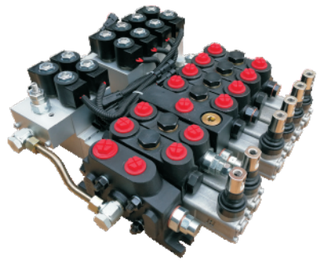


Hydraulic Components
液压元件





PF片式多路阀 ▸



○额定压力:310bar；　　○额定流量:70/110/150/200 L/min；
○开关换向；集成性能好；
○采用自主研发的负载敏感分流调速阀，实现每个执行机构速度均可调节，满足不同的工况需求；
○可选择机、电、液、气等操纵方式，具有1−12联操纵联叠加选择；
○应用于钩臂车、垃圾压缩车、随车起重机等设备。

PF sectional multi−way valve

○Working pressure :310bar;
○Rated flow :70/110/150/200 L/min;
○Switch change;
○The flow control valve with load-sensitive is used to realize the speed adjustment of each actuator and satisfy the requirements of different working conditions;
○Can choose M/E/H/G operation mode;
○ Used in Hook arm truck, Garbage compression truck,truck cranes and other equipments.

ZF13整体式多路阀 ▸



○额定工作压力:310bar;　　○额定流量:70L/min;
○3−4联整体式结构，减少漏油点，承受更高工作压力，性能更可靠；
○将液压锁、调速阀集成到多路阀上，主机布管更方便，安装更紧凑；
○采用自主研发的负载敏感分流调速阀，实现每个执行机构速度均可调节，满足不同的工况需求；
○提供手动、气控、电液控等操纵选择。
○专为侧装式垃圾压缩车开发，具有完全的自主知识产权；

ZF13 monoblock multi−way valve

○Working pressure : 310bar;
○Rated flow : 70L/min;
○The monoblock structure is highly reliable in performance with reducing oil leakage points, and standing higher working pressures;
○Integrate the hydraulic lock and speed regulator valve into the multi-way valve.The host pipe layout is more convenient and the installation is more compact.
○The flow control valve with load-sensitive is used to realize the speed adjustment of each actuator and satisfy the requirements of different working conditions;
○Can choose M/E/H/G operation mode;
○ Designed for side-mounted garbage compression trucks with complete independent intellectual property rights.

Hydfly®

ZF15系列整体式多路阀 ▸



○最大工作压力310bar；　　○额定流量120L/min；
○4−5联整体式结构减少漏油点，承受更高工作压力，性能更可靠；
○开关换向；集成性能好；内部流道进行了优化设计，更小的流阻减少能耗；安全阀从直动式升级为先导式，启闭响应更灵敏；防点头单向阀采用锥密封方式更可靠；
○提供手动、气控、电液控等操纵选择。
○为环卫钩臂车、后装式垃圾压缩车专门开发。

ZF15 series monoblock multi−way valve

○Max working pressure :310bar;
○Rated flow : 120L/min;
○The monoblock structure is highly reliable in performance with reducing oil leakage points, and standing higher working pressures;
○Integrate the hydraulic lock and speed regulator valve into the multi-way valve.The host pipe layout is more convenient and the installation is more compact;
○The flow control valve with load-sensitive is used to realize the speed adjustment of each actuator and satisfy the requirements of different working conditions;
○Can choose M/E/H/G operation mode;
○Specially developed for hook-armed vehicles and rear-mounted garbage compression trucks.

ZF12系列整体式多路阀 ▸



○额定压力310bar；
○额定流量50 L/min;
○开关换向；
○1−6联整体式结构，减少漏油点，承受更高工作压力，性能更可靠；
○可选择机、电、液、气等操纵方式；
○应用于垃圾压缩车、小型钩臂车、中置轴轿运车等设备。

ZF12 series monoblock multi−way valve

○Working pressure :310bar;
○Rated flow :50L/min;
○Switch change;
○The monoblock structure is highly reliable in performance with reducing oil leakage points, and standing higher working pressures;
○Can choose M/E/H/G operation mode;
○Used in little hook arm truck, Garbage compression truck,Central axis carriage and other equipments.





Hydraulic Components
液压元件



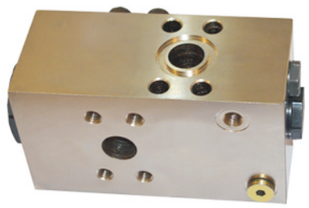



PFFL起重机平衡阀

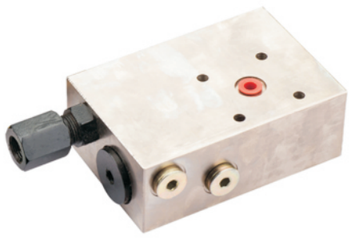
○额定压力:350bar;　○额定流量:400 L/min;
○流量分段控制，操控平稳；负载压力参与密封，密封性好；合理的先导比匹配，控制压力较低；动态稳定性好，抗干扰力强；
○适用于工程起重机等设备的卷扬、变幅、伸缩机构控制。

PFFL load control valve

○Working pressure :350bar;
○Rated flow:400L/min;
○Used in the hoisting, luffing and telescopic mechanism control of construction cranes and other equipment.



BCP臂架平衡阀



○额定压力:380bar;　○额定流量:30/60/90/120 L/min;
○启闭特性好；分级设定开启压力和溢流压力，对臂架的动载保护效果更好；负载压力参与密封，密封可靠性高；控制压力低；动态稳定性好，抗干扰力强；集成性能好；
○适用于臂架泵车、湿喷机等机械的臂架变幅机构控制。

BCP load control valve

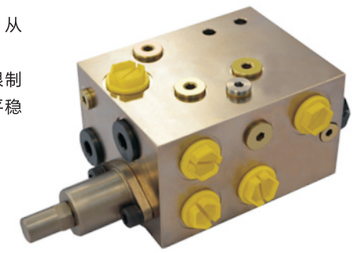
○Working pressure :380bar;
○Rated flow:30/60/90/120 L/min;
○Used in the control of jib luffing mechanism for boom truck pump, wet spray machine and other machinery.

HK回转缓冲阀

○额定压力:380bar;　○额定流量:最大100/160 L/min;
○进口限流主动缓冲。比例节流阀进口并联了一由该阀进出口压差控制的负载反馈阀，从而限制了进入马达的流量，而进入马达的进口流量只能随马达口压力增长而逐步增加；
○随动比例变阻。马达的进出油路上设置了比例节流阀且进出口协调变阻。进口液阻限制马达进口流量，同时确保其进口前端的压力值，避免系统失压，出口液阻保证马达平稳启动和运转；
○液阻与流量同步反向变化。在确保稳定控制的前提下，能耗小，发热量低；
○适用于工程起重机、静力压桩机、高空作业车等机械的回转机构控制。

HK load control valve

○Working pressure : 380bar ;
○Rated flow: 100/160 L/min ;
○Used in Control of rotating mechanism for construction cranes, static pile drivers, aerial platforms, etc.



Hydfly®

先导阀

○额定工作压力50bar;
○最大流量16L/min;
○递进式灵敏控制；操纵力小;
○铸造阀体结构，压损小；控制曲线丰富；
○手柄符合人机工程学设计，操纵舒适；
○可满足客户定制化需求。

Hydraulic Pilot Control Device

○Working pressure :50bar;
○Flow up to:16L/min;
○Progressive sensitive control, low operating force;
○Casting body, low pressure loss;
○Handle is ergonomically designed for comfortable operation ;
○Satisfy customized demand.



YKF十字手柄先导阀
YKF Hydraulic pilot control device



YKT脚踏先导阀
YKT Foot pedal



YKM片式先导阀
YKM Hydraulic pilot control device





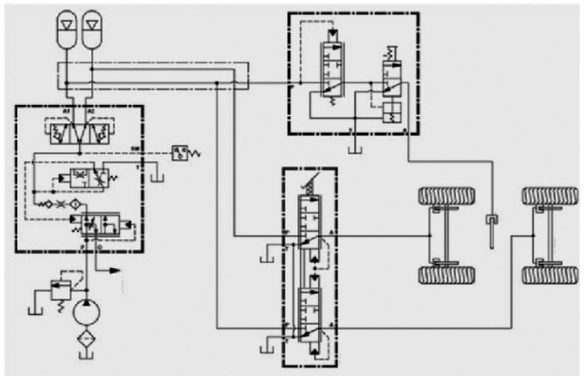
Hydraulic Components
液压元件

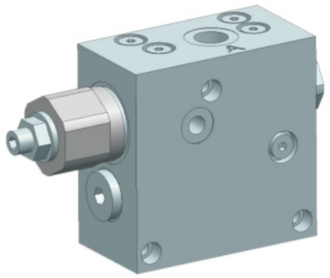
全液压行走制动是一种高效的轮式行走机械制动方式，以其制动压力高、响应速度快、可靠性高的优势在中大吨位轮式工程机械上得到了广泛应用。

鸿辉科技具有成熟的研发经验，已为轮式挖掘机、伸缩臂叉车等设备批量供应单回路、双回路的全套行走液压制动系统，取代进口品牌元件。

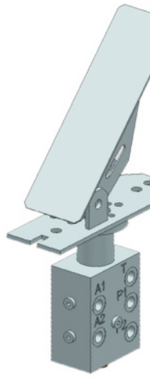
Hydraulic power braking system is an efficient wheeled walking mechanical mode. It has been widely used in heavy construction because of its advantages of high braking pressure, fast response speed and high reliability.

Hydfly has mature R&D experience and has supplied single-circuit and double-loop hydraulic braking systems for wheel excavators and telescopic forklift, replacing imported components.





CYF充液阀
CYF Accumulator charging valve



ZDF制动阀
ZDF braking valve





Hydfly®

应用案例

履带式起重机液压系统解决方案

Applications

Hydraulic System Solution for Crawler Crane



Hydraulic Integrated Circuits
集成阀组

鸿辉科技具有广泛的国内外液压阀芯渠道资源（板式、螺纹插装式、二通插装式等），以及丰富的集成阀组设计、加工经验，可根据用户的需求定制化开发不同类型的功能阀组。

多年来，已为工程机械、环卫机械、海工石油机械、矿山机械、军工等不同行业，开发、制造了多种功能的集成阀组产品。

代表性的有高空作业平台集成阀组、大吨位轮式起重机底盘液压控制系统及相关阀组，大吨位履带式起重机全系列液压集成阀组，洗扫车液压控制系统及相关阀组，矿山自卸车液压控制系统及相关阀组，石油钻机液压控制系统及相关阀组，等等。

Hydfly has convenient purchase channels for domestic and foreign hydraulic industrial valves and screw-in cartridge valves, and accumulated abundant experience from design to processing hydraulic integrated circuits.

Products are widely used: construction machinery, sanitation machinery, marine machinery, petroleum machinery ,mining machinery, and military machinery, etc.





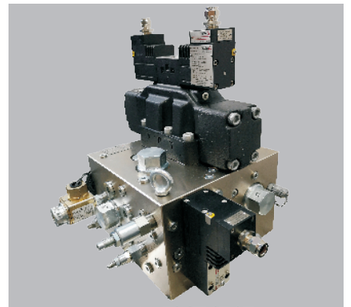






HYDFLY

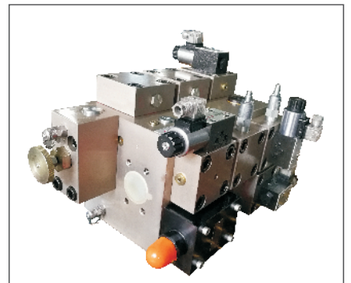
Hydfly®



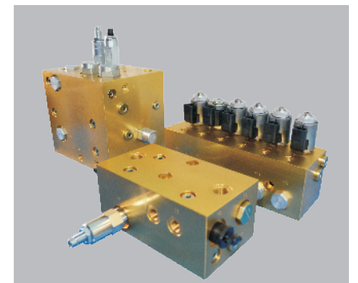
石油防爆阀组



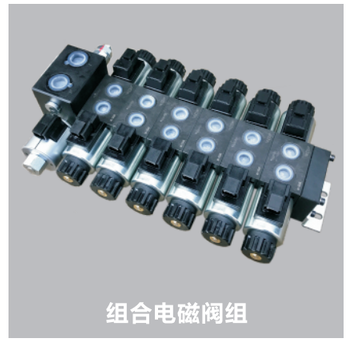
高空作业平台行走转向阀组



矿山车举升阀组



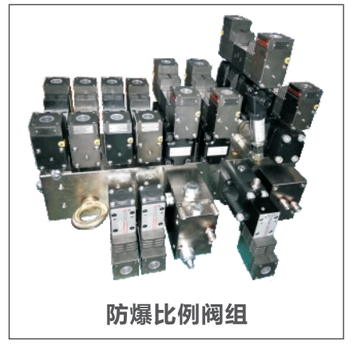
军工螺纹插装阀组



组合电磁阀组



洗扫车板式叠加阀组



防爆比例阀组



先导油源阀组

Electro-Hydraulic Control Systems
电液系统

移动式垃圾压缩箱电液控制系统

移动式垃圾压缩箱是新一代垃圾压缩储运设备。该设备由垃圾储存箱、推铲压缩机构、翻斗机构、电液控制系统等组成，配套钩臂车使用。该设备具有结构紧凑、布置灵活、操作方便、不需建设基础和厂房等特点，适用于街道社区、医院、学校、公园、广场等各种垃圾收集转运的场所，是城市环卫部门、各种企事业单位垃圾处理装备的一种理想选择。

移动式垃圾压缩箱电液控制系统作为垃圾压缩箱的控制总成，是一种高度集成化的电液系统，主要控制压缩箱的翻斗机构和推铲压缩机构。

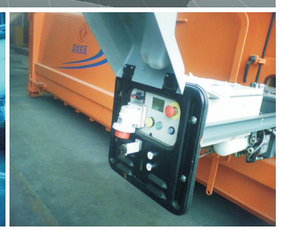
2004年，湖南鸿辉科技有限公司研制出第一台移动式垃圾压缩箱电液控制系统。十余年来，经过数百次的技术改进，产品已经具有极高的可靠性、可维修性和自动化性能，并根据功能需要发展出多种衍生型产品，满足客户的个性化定制需求。

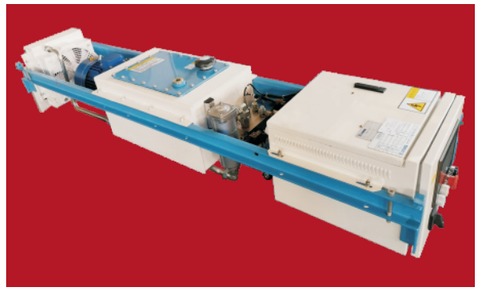
2016年，鸿辉科技推出最新型的变频调速系列产品，大幅提高主机的工作效率和使用经济性，彻底颠覆传统设计思维，全面引领行业技术发展。

湖南鸿辉科技有限公司是国内最大的移动式垃圾压缩箱电液控制系统制造商。









Electro-Hydraulic Control System for Mobile Garbage Compactor

Mobile garbage compactor is a new generation of garbage compression storage and transportation equipment. This equipment consists of garbage storage compression, push compression mechanism, tipping mechanism, electro-hydraulic control system, etc. It is used with hooked arm trucks. The equipment is compact in structure, flexible in layout, easy to operate, and does not require construction of foundations and factory buildings. It is suitable for use in street communities, hospitals, schools, parks, plazas and other garbage collection and transportation facilities. It is an ideal choice for waste treatment equipment in institutions.

The electro-hydraulic control systems is the control assembly of the mobile garbage compactor ,and is a highly integrated , which mainly controls the push compression mechanism and tipping mechanism.

In 2004, Hydfly developed the first electro-hydraulic control systems for mobile garbage compactor. Over the past decade, after hundreds of technical improvements, the product has been highly reliable, maintainable, and automated, and a variety of derivative products have been developed to meet the individual customization.

In 2016, Hydfly launched the latest series of variable frequency control product, greatly improving the efficiency of the compactor's work and utilizing economy .

Hydfly is the largest manufacturer of electro-hydraulic control systems for mobile garbage compactor in China.

Hydfly®

★ 行业顶级配置

采用Eaton、CASAPPA、Siemens、Schneider、正泰等国内外知名品牌的液压、电气元件，确保系统性能稳定，安全可靠。

★ Top Level Configuration

The famous hydraulic and electrical component brands, such as Eaton, CASAPPA, Siemens, Schneider and Chint are used to ensure the stable performance, safety and reliability of the system.



参数 Parameter	数值 Data	备注 Remark
油箱有效容积 Oil Tank Effective Volume	48L	
电动机功率 Motor Power	3.0/5.5/7.5kw	
电动机电压 Motor Voltage	220/380VAC（50Hz）	单相三线制或 三相五线制 Single-Phase 3-Line or Three-phase 5-Line Power
电磁铁电压 Electromagnet Voltage	24VDC	
压力传感电压 Pressure Sensor Voltage	24VDC	
单联泵排量 Single Pump Displacement	7、14 ml/r等	单泵产品 Single Pump
双联泵排量 Double Pump Displacement	16+10.5、14+10.5、14+14、11.2+8ml/r等	双泵产品 Double Pump
油泵最大工作压力 Maximum Working Pressure	280bar	

★ 高平稳、低噪音，优化的液压系统设计，产品性能更可靠

1、液压系统中特别设计了卸荷功能和检测功能，柔性换向，有效降低了中位换向冲击和工作噪音，提高了动作到位的平稳性。

2、优化设计的控制阀组流道和系统结构，明显降低了液压系统压力损失和工作能耗。

3、液压油箱具有超过45°倾斜度的防溢（漏）油功能；箱体经镀锌处理，具有较强的耐腐蚀性能，所有油箱均经过气压压力防漏检测。

4、具有自动散热功能，防止液压系统油温过高；自动进行油位检测，液压油不足时油泵自动停止运行，保护系统安全。

★ High Stationarity, Low Noise, Optimized Hydraulic System, high Reliability

1、In the hydraulic system, the load relieving function and detection function are specially designed. The flexible switching reduces the neutral switching impact and working noise effectively, also improves the smoothness of the action.

2、The optimized design of the integrated circuits flow-path and system structure significantly reduces the pressure loss and working energy consumption of the hydraulic system.

3、The oil tank can prevent overflow (leakage) oil with an inclination of more than 45°. The cabinet has better corrosion resistance after being galvanized . All the tanks are tested for pressure leak prevention.

4、With automatic heat cooling to prevent the hydraulic oil temperature much higher. Automatic detection of the oil level, the oil pump will automatically stop when the hydraulic oil is insufficient.

Electro-Hydraulic Control Systems
电液系统

★ 行业顶级优化的电气控制，系统更安全，使用更可靠、便捷

1、系统具有多种严密的保护措施，并具有多种故障报警功能。同时采用电源相序监控、转换，确保电机正转。

2、操作界面采用触摸显示屏（具有4.3英寸、7英寸两种屏幕尺寸选择），控制界面美观大方，操作方式友好易用，可直接进行触摸操作，还可实时显示设备工作状态、故障信息及安全提示，能够直接进行工控参数修改（具有密码保护）。

3、设备操作具有面板操作、触摸屏操作、行车手柄操作、遥控手柄操作等多种操作选择，接线方便，操作简单。

4、主控制器采用专用PLC控制器，可靠性高，并可通过修改控制程序适用不同的控制动作，具有很好的可移植性。



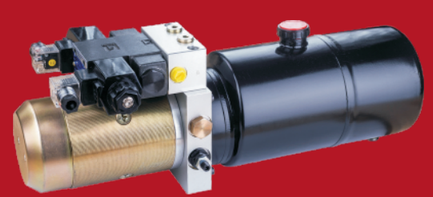
★ Optimized Electrical Control System, high security , high Reliability

1.The system has a variety of strict protections and fault warning functions. Power phase sequence monitoring and conversion are used to ensure the motor correctly rotating.

2.The operation interface adopts a color touching screen(having 4.3 inch and 7 inch to choose), the control interface is beautiful and elegant, the operation mode is friendly and easy to use, can directly touch operation, also can display the working status, failure information and safety prompts of the equipment in real time. It Can directly modify the parameters of the industrial control (with password protection).

3.The operation of the equipment includes panel operation, touching screen operation, handle operation, remote handle operation, etc.

4. The main controller adopts a special PLC controller, which has high reliability, good portability and can be applied to different control actions by modifying the control program.



动力单元 ►

Compact Power Module

○电机转速Motor Speed : 2500r/min

○电机功率Motor Power : 1.6KW，2.2KW

○额定压力Working Pressure : 20MPa

○额定流量Working Flow : 4L/min

○结构紧凑、体积小巧、节省安装空间；

Compact structure, small size, saving installation space

○采用成熟可靠的标准元件、故障率低，使用成本低。

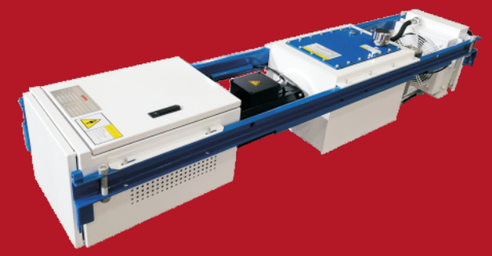
Using reliable standard components, low failure rate and low cost

HYDFLY

Hydfly®

★ 最新型产品—伺服调速系统 ►

着眼于未来行业发展趋势，鸿辉科技于2016年研发出更加高效、精准、节能环保的伺服调速移动垃圾压缩箱液压系统,并推向部分客户。



★ New Production

In 2016, Hydfly launched the latest series of servo control product, greatly improving the efficiency of the compactor's work and utilizing economy .

★ 多种扩展性功能

1、抗冻破冰系统：针对中国北方和北美冬季温度过低，压缩后的垃圾结冰与主机黏在一起卸料困难而研发，通过借助钩臂车液压油控制尾门油缸和推铲油缸，进行顺序控制，实现推铲破冰卸料。

2、220VAC驱动电源配置：着眼新农村建设对环卫设备的需求趋势，鸿辉科技专门订制了进口品牌专用电机，开发出连接220VAC民用电源的移动压缩箱电液系统，有效填补了市场需求的空白。

3、高效的双泵组合控制：通过双泵高低压分合流、差动快进、组合动作等功能控制，实现高效操作。

4、一机多箱电液系统：为满足部分用户多台移动压缩箱的集中垃圾压缩处理需求专门研发。

★ Various Extended Functions

1. Icebreaker System: For North China and North America, when the winter temperature is too low, the compressed refuse icing is difficult to unload from mobile garbage compression. Icebreaker System can solve this problem by sequential control the push mechanism and tipping mechanism by the hydraulic system of the hooked arm trucks.

2. 220VAC Power: Focusing on the trend of demand for sanitation equipment in the new countryside construction, Hydfly has specially ordered one special motor for imported brand and developed a electro-hydraulic control system for mobile garbage compactor that connects 220VAC Voltage, effectively filling the gap in market demand.

3. Efficient dual-pump combination control: Through high-pressure and low-pressure dual-pump confluence, differential fast forward, combined action and other functional control, to achieve efficient operation.

4. System for Multiple Garbage Compactors : In order to meet the requirements of centralized garbage compression processing for multiple mobile compressors for some users, this product was specially developed.







Electro-Hydraulic Control Systems
电液系统

Hydfly®

固定式垃圾压缩站电液控制系统
Electro-hydraulic Control Systems for Fixed Garbage Compression Station

作为液压控制整体解决方案专业供应商，鸿辉科技具有丰富的电液系统集成能力和广泛的国内外液压件资源。

Hydfly is a professional supplier of electro-hydraulic control system.

数十年来，鸿辉科技已为水平压缩式、地埋式、垂直压缩式等多系列固定式垃圾压缩站开发了多种电液系统解决方案。还开发了智能一体化喷淋除臭系统，服务于站房环保需求。

Recent years, Hydfly has developed a variety of electro-hydraulic system solutions for horizontal docking garbage compression, underground garbage compression, vertical garbage compression and other series of compression stations.

特点

○电液系统高度集成；

○液压系统采用恒功率变量泵或大小排量双联泵控制，实现机构动作的轻载高速、重载低速高效节能运行。配置回油散热器，提高液压系统的使用可靠性；

○电气系统采用PLC控制，结构紧凑，操作简单方便；

○可根据客户需求进行定制化开发。

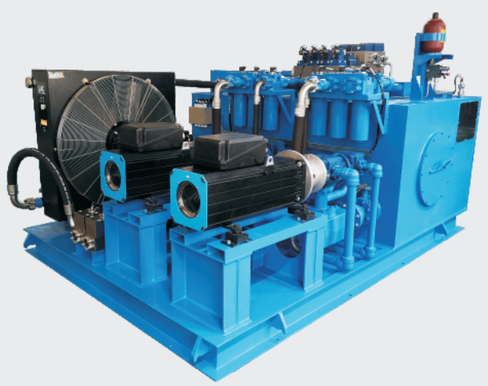
Features

○ Electro-hydraulic system is highly integrated;

○ Adopting constant-power variable pump or dual-pump to achieve high-efficient and energy-efficient working, configuring a oil-cooling to improve the reliability of the hydraulic system;

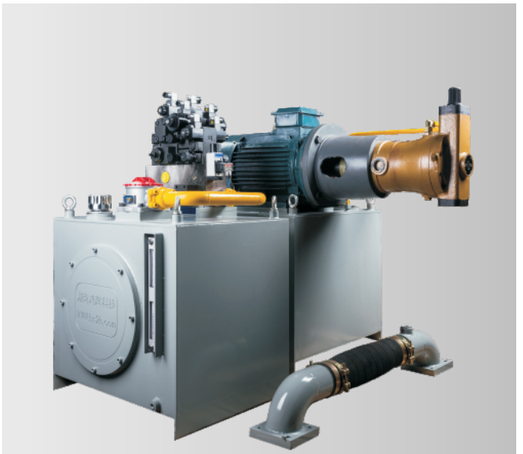
○ Using PLC control to simple and convenient operation;

○ Customized development.















Electro-Hydraulic Control Systems
电液系统

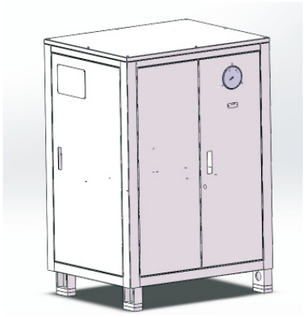


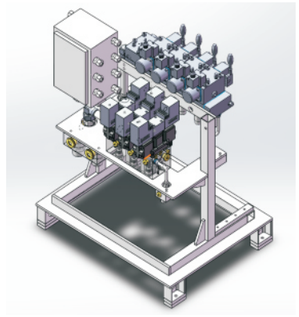
鸿辉科技在海工、石油机械领域具有多年的配套经历，为自升自航式工程船、港口铁路栈桥、海洋钻机、海工平台、石油钻机等多种机械设备配套了大量的电液控制系统及相关功能元件，并提供相关使用维护服务，具有成熟的系统解决方案。

Hydfly has long service to marine and petroleum machinery, provided many electro-hydraulic control systems, related functional components, and related maintenance service to self-propelled and self-elevating patforms, port railway trestle bridges, ocean drilling rigs, offshore platforms and oil drilling rigs,etc.

示范钻机液压控制箱



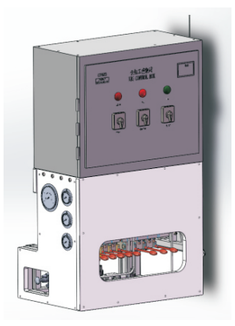




铁钻工操作箱





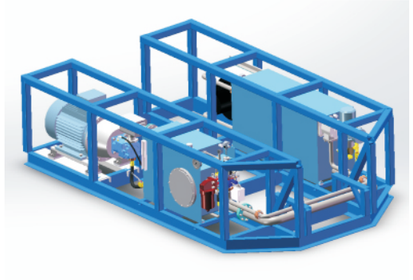


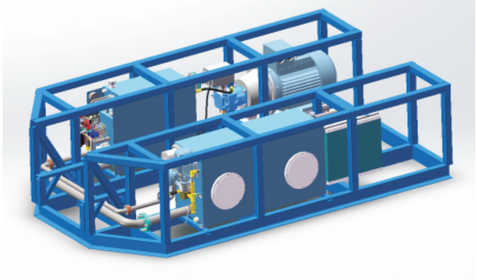
柴油机驱动液压动力站



○大功率柴油机动力
○高效液压系统集成
○PLC自动化控制

猫道液压站







石油钻机顶驱液压系统



深海勘探等静压机液压站

Electro-Hydraulic Control Systems
电液系统

典型项目：某自升自航式工程船

该船桩腿升降系统为三根桩腿结构，采用了国际主流的齿轮齿条传动机构。

鸿辉科技采用自主研发的全闭式电液控制系统（行业内首次应用），精准、高效、平稳、连续地实现了4200t船体在75米升降范围的水平姿态控制，打破了国内长期依赖进口系统的窘境。



Typical Project :

A Self-Propelled and Self-Elevating Platform

The ship's leg lifting system is three-leg structure , adopting the international mainstream rack-and-pinion drives.

Hydfly adopts self-developed fully-closed electro-hydraulic control system (the first application in this industry), which achieves accurate, high-efficiency, smooth and continuous horizontal attitude control of the 4200t hull in the 75-meters lifting range, breaking the domestic long-term dependence on imported products.



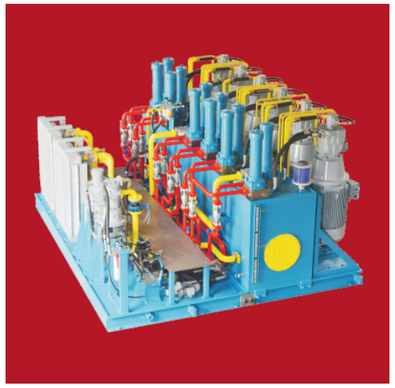


Hydfly®

动作控制：

系统实时监测、记录系统压力、速度、油温、液位、功率、平台水平度等运行参数。

系统设有升船、降船、预压载升船、预压载降船、升桩、放桩、定位升桩、定位放桩及拔桩功能，适应平台各种作业要求，选择工况后自动运行相应程序，控制系统高度自动化且操作简单。



技术突破：

1、行业内首次采用全闭式电液控制系统控制多根桩腿的同步升降；

2、采用独有控制技术，实现了多根桩腿的连续、平稳性同步升降；

3、采用独有控制技术，实现了大负载重力势能转化、回收再利用。

Action Control :

The system constantly monitors and records the operating parameters such as system pressure, lifting speed, oil temperature, oil tank level, power, and platform level.

The system has the functions of ship lifting, ship lowering, pre-ballasting lifting, pre-ballasting lowering, lifting leg, lowering leg, positioning-lifting leg, positioning-lowering leg, etc. It can adapt to various operation requirements of the platform and select working conditions. Automatically running the corresponding program, the control system is highly automated and simple to operate.

Technical Breakthrough :

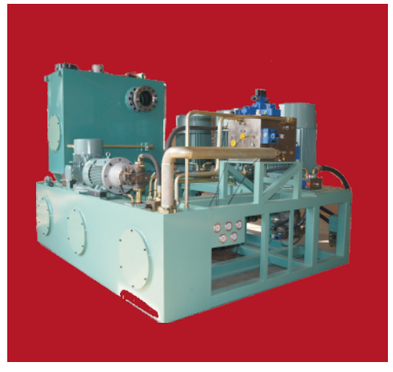
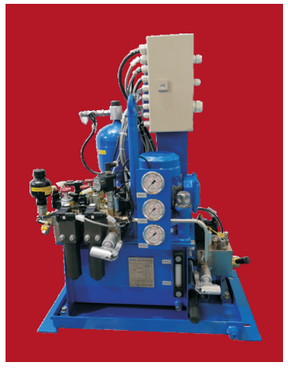
1. For the first time in the industry, a fully-closed electro-hydraulic control system is used to control the synchronous lifting of multiple legs ;
2. Adopt unique control technology to realize continuous and stable synchronous lifting of multiple legs;
3. Adopt unique control technology to realize the recovery and reuse of large-capacity gravity potential energy .







Electro-Hydraulic Control Systems
电液系统

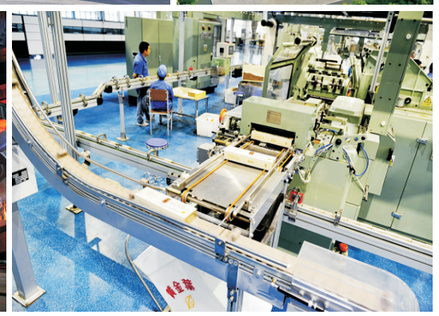




多年来，鸿辉科技也为机场、建筑起重机、冶金、造纸、烟草、风电等常规行业以及军工等特殊行业，提供了多种定制化开发的电液系统集成，获得了用户的长期信赖。

Over the years, Hydfly has also provided a variety of custom-developed electro-hydraulic systems for special industrie, such as airports, construction cranes, metallurgy, paper making, tobacco, wind power and other general industries as well as the military industry, and has gained long-term trust from users.





Agent Sales
销售代理

作为具有二十余年国际贸易背景的液压件企业，公司代理销售德国、美国、意大利等多个国家的数个国际知名液压品牌产品，并拥有原厂家的直接进货能力，具有极好的价格优势和交期。

Hydfly has more than 20 years of international trade background, agent sales of Germany, the United States, Italy and other countries of well-known hydraulic brand products.



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